

STIC-Biotech/ChemLib

72214

From: STIC-ILL  
Sent: Wednesday, July 31, 2002 11:23 AM  
To: STIC-Biotech/ChemLib  
Subject: FW: 09/575,061

Request to you.

-----Original Message-----

From: Gabel, Gailene  
Sent: Wednesday, July 31, 2002 11:22 AM  
T : STIC-ILL  
Subject: 09/575,061

CRFG

Please do an oligomer search for SEQ ID No. 1 for 50 or less amino acids for ASN 09/575,061.

Thanks a bunch,  
Gailene R. Gabel  
7B15  
305-0807

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: \_\_\_\_\_  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

TYPE OF SEARCH:

NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)

STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

**Gabel, Gailene**

---

**To:** STIC-ILL  
**Subject:** 09/575,061

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Thanks a bunch,  
Gailene R. Gabel  
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305-0807

# ProDom Release 2001.3

## Domain PD002813



Graphic representation of all proteins containing this domain.



Display the family as a tree.

MSF Alignment in MSF format.

Build an ESPript view

Run Predict Protein server with this domain

Go to 3D Structures

Most frequent protein names	PHOE(7) OMPC(5) OMPF(5)
Commentary (automatic)	OUTER MEMBRANE PORIN SIGNAL PRECURSOR TRANSMEMBRANE COMPLETE PROTEOME PORE RECOGNITION
Alignment length	53
Number of domains in family	39
Consistency indicator	DIAMETER: 154 PAM RADIUS OF GYRATION: 58 PAM SEQUENCE CLOSEST TO CONSENSUS: YEDS_ECOLI 345-397 (distance:17 PAM)

## InterPro

ID	Accession number
"General diffusion Gram-negative porins"	<u>IPR001702</u>

## PROSITE

Consensus position	PROSITE Pattern	PROSITE Entry Documentation
4-20	GRAM_NEG_PORIN	PDOC00498

## Pfam-A

ID	Accession number
Gram-ve_porins	<u>PF00267</u>

## Sample 3D Structures

SwissProt		PDB			Entrez	Scop	PDB structure	v
ID	position	ID	chain ID	position				
<u>Q9K3E6_BBBB</u>	327-378	<u>1iiv</u>	A	306-357	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPC_KLEPN</u>	312-363	<u>1osm</u>	A	291-342	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPC_SALTI</u>	327-378	<u>1iiv</u>	A	306-357	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>PHOE_ECOLI</u>	303-351	<u>1pho</u>		282-330	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1opf</u>		292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1mpf</u>		292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1hxx</u>	A	292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1hxu</u>	A	292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1hxt</u>	A	292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1gfa</u>		292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	

<u>OMPF_ECOLI</u>	314-362	<u>1gfp</u>		292-340	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>OMPF_ECOLI</u>	314-362	<u>1gfo</u>		292-340	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>OMPF_ECOLI</u>	314-362	<u>1gfn</u>		286-334	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>OMPF_ECOLI</u>	314-362	<u>1gfm</u>		292-340	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>OMPF_ECOLI</u>	314-362	<u>1bt9</u>	A	292-340	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>PHOE_CITFR</u>	303-347	<u>1pho</u>		282-326	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>Q9K597_ECOLI</u>	314-364	<u>1iiv</u>	A	307-357	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>PHOE_SALTY</u>	302-332	<u>1pho</u>		282-312	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>Q9RH85_ECO57</u>	315-344	<u>1osm</u>	A	291-320	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>Q9K597_ECOLI</u>	313-342	<u>1osm</u>	A	291-320	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>OMPC_ECOLI</u>	316-345	<u>1osm</u>	A	291-320	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>Q9RH85_ECO57</u>	316-342	<u>1iiv</u>	A	307-333	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>Q9K3E6_BBBB</u>	328-354	<u>1osm</u>	A	292-318	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>OMPC_KLEPN</u>	313-339	<u>1iiv</u>	A	307-333	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	
<u>OMPC_SALTI</u>	328-354	<u>1osm</u>	A	292-318	<u>Entrez</u>	<u>Scop</u>	<u>Rasmol</u>	

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<u>OMPF_ECOLI</u>	314-362	<u>1gfp</u>		292-340	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>OMPF_ECOLI</u>	314-362	<u>1gf</u>		292-340	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>OMPF_ECOLI</u>	314-362	<u>1gfn</u>		286-334	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>OMPF_ECOLI</u>	314-362	<u>1gfm</u>		292-340	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>OMPF_ECOLI</u>	314-362	<u>1bt9</u>	A	292-340	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>PHOE_CITFR</u>	303-347	<u>1pho</u>		282-326	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>Q9K597_ECOLI</u>	314-364	<u>1iiv</u>	A	307-357	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>PHOE_SALTY</u>	302-332	<u>1pho</u>		282-312	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>Q9RH85_ECO57</u>	315-344	<u>1osm</u>	A	291-320	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>Q9K597_ECOLI</u>	313-342	<u>1osm</u>	A	291-320	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>OMPC_ECOLI</u>	316-345	<u>1osm</u>	A	291-320	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
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<u>Q9K3E6_BBBB</u>	328-354	<u>1osm</u>	A	292-318	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>OMPC_KLEPN</u>	313-339	<u>1iiv</u>	A	307-333	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	
<u>OMPC_SALTI</u>	328-354	<u>1osm</u>	A	292-318	<u>Entrez</u>	<u>Seop</u>	<u>Rasmol</u>	

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<p><b>ProDom Release</b> <b>2001.3</b></p> <p><b>Domain PD002813</b></p> 	<p>Graphic  representation of all proteins containing this domain.</p> <p>Display the family as a tree.</p> <p><u>MSF Alignment</u> in MSF format.</p> <p><u>Build</u> an ESPrpt view</p> <p><u>Run Predict Protein</u> server with this domain</p> <p><u>Go to 3D Structures</u></p>
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Most frequent protein names	PHOE(7) OMPC(5) OMPF(5)
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## PROSITE

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<u>Q9K3E6_BBBB</u>	327-378	<u>1iiv</u>	A	306-357	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPC_KLEPN</u>	312-363	<u>1osm</u>	A	291-342	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPC_SALTI</u>	327-378	<u>1iiv</u>	A	306-357	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>PHOE_ECOLI</u>	303-351	<u>1pho</u>		282-330	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1opf</u>		292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1mpf</u>		292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1hxx</u>	A	292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1hxu</u>	A	292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1hxt</u>	A	292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	
<u>OMPF_ECOLI</u>	314-362	<u>1gfq</u>		292-340	<a href="#">Entrez</a>	<a href="#">Scop</a>	<a href="#">Rasmol</a>	



Other descriptions of the family  
corresponding to this alignment



Sequence ID	start	end	weight	10	20	30	40
1 <u>PORL_BUCAI</u>	332	382	5.05	.KQINISTR	EYFNKNISTY	MNYTINLLKSDN	-VIKEQNIPTDN
1 <u>OMPF_XENNE</u>	321	369	1.51	VKYVSVG	TYYYFNKNLSTY	VVDYKINLLKKD	----NELGVNARN
1 <u>Q9ZC72_YERPE</u>	1	50	2.26	MKYAEIG	VTYHFNKNMYTY	VVDYKINLLDNDK	---NPLGLNTDD
8 <u>PHOE_ENTCL</u>	.	.	6.05	VNYIDVG	ATYYFNKNMSAF	VVDYKINQLDSD	---NKLGINDD
2 <u>PORI_BPPA2</u>	.	.	0.84	VKYVDVG	ATYYFKNMSTF	VVDYKINLLDKND	-FTKALGVSTDD
1 <u>OMPF_SERMA</u>	323	374	0.85	VKYVSVG	TYYFNKNMSTY	VVDYKINLLDDND	-FTKATGIATDD
4 <u>OMS1_SALTI</u>	.	.	2.28	VKYVDVG	ATYYFNKNMSTY	VVDYKINLLDEDD	DFYAANGIATDD
1 <u>OMS2_SALTI</u>	331	383	0.88	VKYADV	GATYYFNKNFSTY	VVDYKINLLDDDD	PFYKDAGISTDD
1 <u>O87754_KLEPN</u>	322	374	0.93	VKYMDVG	ATYYFNRMSTY	VVDYKINLLDGND	KFYEDNGISTDN
1 <u>OMPC_SERMA</u>	325	376	1.51	VKFVDL	GATYYFNKNMSTY	VVDYKINLVDNND	-FTDAAGINTDN
12 <u>OMPC_KLEPN</u>	.	.	3.89	LKYVDVG	ATYYFNKNMSTY	VVDYKINLLDDNK	-FTRDAGINTDN
6 <u>OMPU_VIBCH</u>	.	.	12.92	VKYIQAG	ATYYFNKNFRTY	VSYSYKFNLLDSND	-YYSTSKVATDD
39 Consensus			38.97	VKYIDVG	ATYYFNKNMSTY	VVDYKINLLDSDD	-FYNEAGINTDD
1 PROSITE							

Minimal distance between sequences (in PAM)	<input type="text" value="20"/>
Maximal number of clusters	<input type="text" value="12"/>
If possible, clusterIDs should contain the following string (e.g.: human)	<input type="text"/>

To display a new alignment with these parameters,  or click [here](#) to display all sequences in the family

Eukaryotic subfamily root	Bacterial subfamily root	Archaeal subfamily root	Viral subfamily root	Root of a subfamily that goes across domains of life
---------------------------------	--------------------------------	-------------------------------	----------------------------	---

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# All proteins sharing a homologous domain in common with OMPC\_ECOLI|P06996

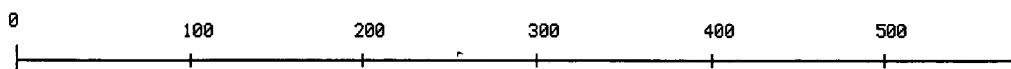
## (Prodom Release 2001.3)

To view the complete output click [here](#)

### Legend of domain cartoons

For a printout it is useful to convert this page into a [GIF image](#)

For each protein you can retrieve "All proteins sharing a homologous domain" by clicking on the image  adjacent to sequence name





 NMPC\_ECOLI   186129 


and more proteins with similar domain arrangement in [list 1](#)


 PORL\_BUCAI   186129 

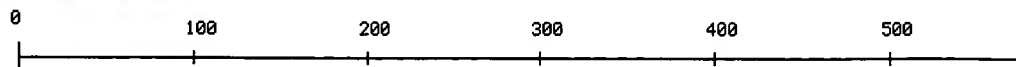
 OMPL\_PHOPR  

and more proteins with similar domain arrangement in [list 2](#)

 Q9ZC72\_YERPE 

☐ Q9EXH8 KLEPN  186129  
and more proteins with similar domain arrangement in list 3

☐ P77519 ECOLI 



**Total : 42 protein(s)**

## Proteins having the same domain structure

list\_1   [>go back<](#)

<u>NMPC ECOLI</u>	<u>O85030 ECOLI</u>	<u>O87753 KLEPN</u>	<u>O87754 KLEPN</u>	<u>OMPC ECOLI</u>
<u>OMPC KLEPN</u>	<u>OMPC SALTI</u>	<u>OMPC SALTY</u>	<u>OMPC SERMA</u>	<u>OMPF ECOLI</u>
<u>OMPF SALTI</u>	<u>OMPF SALTY</u>	<u>OMPF SERMA</u>	<u>OMPF XENNE</u>	<u>OMPN ECOLI</u>
<u>OMS1 SALTI</u>	<u>OMS2 SALTI</u>	<u>PHOE CITFR</u>	<u>PHOE ECOLI</u>	<u>PHOE ENTCL</u>
<u>PHOE KLEOX</u>	<u>PHOE KLEPN</u>	<u>PHOE SALTI</u>	<u>PHOE SALTY</u>	<u>PORI BPPA2</u>
<u>Q9AGC8 ENTAE</u>	<u>Q9AGC9 ENTAE</u>	<u>Q9AGD0 ENTAE</u>	<u>Q9AGD1 ENTAE</u>	<u>Q9ALY0 ENTAE</u>
<u>Q9K3E6 BBBB</u>	<u>Q9K3E7 BBBB</u>	<u>Q9K597 ECOLI</u>	<u>Q9RH85 ECO57</u>	<u>YEDS ECOLI</u>

list\_2   [>go back<](#)

OMPL PHOPR   OMPU VIBCH

list\_3   [>go back<](#)

Q9EXH8 KLEPN   Q9ZC71 YERPE

## Result in GIF format

☒ Simplified output

☐ Remove domains with only one sequence

Select format :  ☒ Landscape

Or custom size : Height  Width  cm

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






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# Domain Cartoons

## (Prodom Release 2001.3)

To retrieve all proteins containing a domain click on the image [img] adjacent to the domain number

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		<a href="#">PD002813</a>	(39) PHOE(7) OMPC(5) OMPF(5) // OUTER MEMBRANE PORIN SIGNAL PRECURSOR 7
		<a href="#">PD002616</a>	(38) PHOE(7) OMPC(5) OMPF(5) // OUTER MEMBRANE PORIN SIGNAL PRECURSOR 7
		<a href="#">PD186129</a>	(38) PHOE(7) OMPC(5) OMPF(5) // OUTER MEMBRANE PORIN SIGNAL PRECURSOR 7
		<a href="#">PD000808</a>	(26) // MEMBRANE OUTER P2 PORIN SIGNAL PRECURSOR TRANSMEMBRANE OMP COMI
		<a href="#">PD395019</a>	(1) // PROTEOME PORIN COMPLETE PRECURSOR PORIN-LIKE SIGNAL BU359 TRANSN

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